

Title (en)  
NOZZLE FOR GENERATING HIGH-ENERGY CAVITATION

Title (de)  
DÜSE ZUM ERZEUGEN VON KAVITATION MIT HOHER ENERGIE

Title (fr)  
AJUTAGE PRODUISANT UNE CAVITATION A HAUTE ENERGIE

Publication  
**EP 1628785 B1 20081231 (EN)**

Application  
**EP 04752866 A 20040521**

Priority  
• US 2004015927 W 20040521  
• US 47214203 P 20030521

Abstract (en)  
[origin: US2004245356A1] A cavitation nozzle comprising a first cylindrical section that is connected to a second cylindrical section, which is connected to a diffuser. In the cavitation nozzle of the present invention, the diameter of the second cylindrical section is greater than the diameter of the first cylindrical section. The inner surface of the first diffuse section is rifled. An optimal magnet can be placed around either the first or the second cylindrical section.

IPC 8 full level  
**B08B 3/02** (2006.01); **B05B 1/00** (2006.01)

CPC (source: EP US)  
**B05B 1/00** (2013.01 - EP US); **B08B 3/02** (2013.01 - EP US); **B08B 2203/0288** (2013.01 - EP US)

Cited by  
CN102179329A

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PL PT RO SE SI SK TR

DOCDB simple family (publication)  
**US 2004245356 A1 20041209**; AT E419076 T1 20090115; AU 2004243271 A1 20041209; AU 2004243271 B2 20100218; CA 2531188 A1 20041209; DE 602004018768 D1 20090212; EP 1628785 A1 20060301; EP 1628785 B1 20081231; WO 2004105969 A1 20041209

DOCDB simple family (application)  
**US 84983704 A 20040521**; AT 04752866 T 20040521; AU 2004243271 A 20040521; CA 2531188 A 20040521; DE 602004018768 T 20040521; EP 04752866 A 20040521; US 2004015927 W 20040521